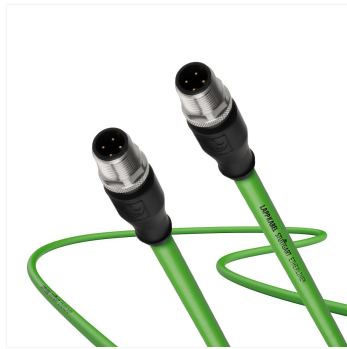


IE-PNA-5-M12D-S-10-Y-2-22-1-M12D-S
Article No.: 2171005

Pre-assembled Ethernet cable; Fixed Installation; ETHERNET/IP, PROFINET; PROFINET® application: Type A; Cat.5e; SF/UTP; Polyvinylchloride; 2x2; M 12 (D-coded), Plug, Straight (180 °); M 12 (D-coded), Plug, Straight (180 °); 10 m



Details

Benefits

- Available as a one-sided power cable assembly for flexible selection of the cable length and free choice of further connection.
- Also available as a cable assembled on both sides to save time during installation.
- Fast information exchange through Ethernet technology.
- Cat. 5 performance up to 100 Mbit/s.
- High resistance to electromagnetic interference thanks to star quad design as well as double shielding made of aluminum-laminated foil and high degree of copper shielding braiding (SF/UTP).
- The integrated vibration protection of the connector makes it resistant to shocks and vibrations.
- The angled shape of the connector is suitable for a space-saving cable outlet.
- Also available with pre-assembled flange coupling for easy guidance through control cabinet walls.
- UL certification according to technical data enables the product to be used on the North American market.

Application

- For fixed installation in the PROFINET network (type A), due to solid conductor design.
- Also suitable for EtherCAT and EtherNET/IP applications.
- Suitable for medium mechanical stress.
- Can be used in dry and damp rooms.
- The PVC outer jacket is resistant to acids and alkaline solutions and has limited oil resistance.

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks

Technical Data

General information

| | |
|-----------------------------------|---|
| Brand | ETHERLINE® |
| Product type | Pre-assembled Ethernet cable |
| Length | 10 m |
| Copper index | 0.67 lb/pce |
| Delivery Unit | 1 |
| Connector 1 | M 12; Plug; Straight; D-coded; Number of contacts: 4 |
| Connector 2 | M 12; Plug; Straight; D-coded; Number of contacts: 4 |
| valid Fieldbus or Ethernet System | PROFINET Ethernet EtherCAT ETHERNET/IP |
| Industry segment | Agricultural & Farm Machinery Lifts & Elevators Packaging Robotics |

Electrical parameters
Product design

| | |
|--|-----|
| Cable dimension | 4X |
| Number of cores | 4 |
| Shielded | Yes |
| Base material of outer sheath, shortname | PVC |

Product features

| | |
|---------------------------------|--------------------|
| Application area | Fixed Installation |
| PROFINET® application | Type A |
| Min. number of insertion cycles | 100 / 100 |
| IP protection rating | IP 67 IP 69 |
| Suitable for EX-applications | No |
| Installation temperature min. | -40 °C |
| Max. assembly temperature | 80 °C |
| Ethernet cable category | Cat.5e |

Certifications and standards

| | |
|--------------------------|---|
| CE marking | Yes |
| EAC certified | Not required |
| EAC certification number | Отказное письмо № 40 |
| UL recognized | No |
| UL listed | Yes |
| UL certification | according to UL 2238 (e-file number: E249137) |
| cUR recognized | No |
| cUL listed | Yes |
| cUL certification | according to CSA C22.2 No. 182.3 (e-file number: E249137) |
| CSA certified | No |
| VDE certified | No |

| | |
|-----------------------------------|----------------------------------|
| Product standard according to IEC | M12 according to IEC 61076-2-101 |
| DNV-certified | No |
| Ecolab certified | No |

ETHERLINE® PN Cat.5 Patchcords

| Article No. | Name | Connector 1 | Connector 2 | Length |
|-------------|------------------------------------|--|--|--------|
| 2171001 | IE-PNA-5-M12D-S-1-Y-2-22-1-M12D-S | M 12; Plug; Straight; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 1 m |
| 2171002 | IE-PNA-5-M12D-S-2-Y-2-22-1-M12D-S | M 12; Plug; Straight; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 2 m |
| 2171003 | IE-PNA-5-M12D-S-3-Y-2-22-1-M12D-S | M 12; Plug; Straight; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 3 m |
| 2171004 | IE-PNA-5-M12D-S-5-Y-2-22-1-M12D-S | M 12; Plug; Straight; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 5 m |
| 2171005 | IE-PNA-5-M12D-S-10-Y-2-22-1-M12D-S | M 12; Plug; Straight; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 10 m |
| 2171006 | IE-PNA-5-M12D-S-20-Y-2-22-1-M12D-S | M 12; Plug; Straight; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 20 m |
| 2171008 | IE-PNA-5-M12D-S-2-Y-2-22-1-OE | M 12; Plug; Straight; D-coded; Number of contacts: 4 | Open end | 2 m |
| 2171009 | IE-PNA-5-M12D-S-3-Y-2-22-1-OE | M 12; Plug; Straight; D-coded; Number of contacts: 4 | Open end | 3 m |
| 2171010 | IE-PNA-5-M12D-S-5-Y-2-22-1-OE | M 12; Plug; Straight; D-coded; Number of contacts: 4 | Open end | 5 m |
| 2171011 | IE-PNA-5-M12D-S-10-Y-2-22-1-OE | M 12; Plug; Straight; D-coded; Number of contacts: 4 | Open end | 10 m |
| 2171012 | IE-PNA-5-M12D-S-20-Y-2-22-1-OE | M 12; Plug; Straight; D-coded; Number of contacts: 4 | Open end | 20 m |
| 2171013 | IE-PNA-5-M12D-A-1-Y-2-22-1-M12D-S | M 12; Plug; Angled; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 1 m |
| 2171014 | IE-PNA-5-M12D-A-2-Y-2-22-1-M12D-S | M 12; Plug; Angled; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 2 m |
| 2171015 | IE-PNA-5-M12D-A-3-Y-2-22-1-M12D-S | M 12; Plug; Angled; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 3 m |
| 2171016 | IE-PNA-5-M12D-A-5-Y-2-22-1-M12D-S | M 12; Plug; Angled; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 5 m |
| 2171017 | IE-PNA-5-M12D-A-10-Y-2-22-1-M12D-S | M 12; Plug; Angled; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 10 m |
| 2171018 | IE-PNA-5-M12D-A-20-Y-2-22-1-M12D-S | M 12; Plug; Angled; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 20 m |
| 2171019 | IE-PNA-5-M12D-A-1-Y-2-22-1-OE | M 12; Plug; Angled; D-coded; Number of contacts: 4 | Open end | 1 m |
| 2171020 | IE-PNA-5-M12D-A-2-Y-2-22-1-OE | M 12; Plug; Angled; D-coded; Number of contacts: 4 | Open end | 2 m |
| 2171021 | IE-PNA-5-M12D-A-3-Y-2-22-1-OE | M 12; Plug; Angled; D-coded; Number of contacts: 4 | Open end | 3 m |
| 2171022 | IE-PNA-5-M12D-A-5-Y-2-22-1-OE | M 12; Plug; Angled; D-coded; Number of contacts: 4 | Open end | 5 m |
| 2171023 | IE-PNA-5-M12D-A-10-Y-2-22-1-OE | M 12; Plug; Angled; D-coded; Number of contacts: 4 | Open end | 10 m |
| 2171024 | IE-PNA-5-M12D-A-20-Y-2-22-1-OE | M 12; Plug; Angled; D-coded; Number of contacts: 4 | Open end | 20 m |
| 2171164 | IE-PNA-5-M12D-S-0,5-Y-2-22-1-RJ45 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 0.5 m |
| 2171165 | IE-PNA-5-M12D-S-1-Y-2-22-1-RJ45 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 1 m |
| 2171166 | IE-PNA-5-M12D-S-2-Y-2-22-1-RJ45 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 2 m |
| 2171167 | IE-PNA-5-M12D-S-3-Y-2-22-1-RJ45 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 3 m |
| 2171168 | IE-PNA-5-M12D-S-5-Y-2-22-1-RJ45 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 5 m |
| 2171169 | IE-PNA-5-M12D-S-10-Y-2-22-1-RJ45 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 10 m |
| 2171170 | IE-PNA-5-M12D-S-20-Y-2-22-1-RJ45 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 20 m |

| Article No. | Name | Connector 1 | Connector 2 | Length |
|-------------|-------------------------------------|--|--|--------|
| 2171171 | IE-PNA-5-M12D-A-0,5-Y-2-22-1-RJ45 | M 12; Plug; Angled; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 0.5 m |
| 2171172 | IE-PNA-5-M12D-A-1-Y-2-22-1-RJ45 | M 12; Plug; Angled; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 1 m |
| 2171173 | IE-PNA-5-M12D-A-2-Y-2-22-1-RJ45 | M 12; Plug; Angled; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 2 m |
| 2171174 | IE-PNA-5-M12D-A-3-Y-2-22-1-RJ45 | M 12; Plug; Angled; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 3 m |
| 2171175 | IE-PNA-5-M12D-A-5-Y-2-22-1-RJ45 | M 12; Plug; Angled; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 5 m |
| 2171176 | IE-PNA-5-M12D-A-10-Y-2-22-1-RJ45 | M 12; Plug; Angled; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 10 m |
| 2171177 | IE-PNA-5-M12D-A-20-Y-2-22-1-RJ45 | M 12; Plug; Angled; D-coded; Number of contacts: 4 | RJ45; Plug; Straight; Number of contacts: 8 | 20 m |
| 2171178 | IE-PNA-5-RJ45-0,5-Y-2-22-1-RJ45 | RJ45; Plug; Straight; Number of contacts: 8 | RJ45; Plug; Straight; Number of contacts: 8 | 0.5 m |
| 2171179 | IE-PNA-5-RJ45-1-Y-2-22-1-RJ45 | RJ45; Plug; Straight; Number of contacts: 8 | RJ45; Plug; Straight; Number of contacts: 8 | 1 m |
| 2171180 | IE-PNA-5-RJ45-2-Y-2-22-1-RJ45 | RJ45; Plug; Straight; Number of contacts: 8 | RJ45; Plug; Straight; Number of contacts: 8 | 2 m |
| 2171181 | IE-PNA-5-RJ45-3-Y-2-22-1-RJ45 | RJ45; Plug; Straight; Number of contacts: 8 | RJ45; Plug; Straight; Number of contacts: 8 | 3 m |
| 2171182 | IE-PNA-5-RJ45-5-Y-2-22-1-RJ45 | RJ45; Plug; Straight; Number of contacts: 8 | RJ45; Plug; Straight; Number of contacts: 8 | 5 m |
| 2171183 | IE-PNA-5-RJ45-10-Y-2-22-1-RJ45 | RJ45; Plug; Straight; Number of contacts: 8 | RJ45; Plug; Straight; Number of contacts: 8 | 10 m |
| 2171184 | IE-PNA-5-RJ45-20-Y-2-22-1-RJ45 | RJ45; Plug; Straight; Number of contacts: 8 | RJ45; Plug; Straight; Number of contacts: 8 | 20 m |
| 2171186 | IE-PNA-5-RJ45-1-Y-2-22-1-OE | RJ45; Plug; Straight; Number of contacts: 8 | Open end | 1 m |
| 2171187 | IE-PNA-5-RJ45-2-Y-2-22-1-OE | RJ45; Plug; Straight; Number of contacts: 8 | Open end | 2 m |
| 2171189 | IE-PNA-5-RJ45-5-Y-2-22-1-OE | RJ45; Plug; Straight; Number of contacts: 8 | Open end | 5 m |
| 2171190 | IE-PNA-5-RJ45-10-Y-2-22-1-OE | RJ45; Plug; Straight; Number of contacts: 8 | Open end | 10 m |
| 2172184 | IE-PNA-5-M12D-S-0,5-Y-2-22-1-M12D-S | M 12; Plug; Straight; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 0.5 m |
| 2172188 | IE-PNA-5-M12D-A-0,5-Y-2-22-1-M12D-S | M 12; Plug; Angled; D-coded; Number of contacts: 4 | M 12; Plug; Straight; D-coded; Number of contacts: 4 | 0.5 m |

V1.1